Flow Control Regulators



Available with technical polymer, nickel-plated brass or aluminium bodies, with external or recessed adjustment screws, Flow Control Regulators offer precise adjustment, accuracy and compactness.

Ø metric: 3 to 14 mm

Technical Characteristics

- Compatible Fluids: Compressed air Other fluids: contact us
- Working Pressure: 1 to 10 bar
- Working Temperature: 0°C to +70°C

-25°C to +70°C (metal version)

Max. Tightening Torques (external adjustment screw)	Threads	M3 x0.5	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.06	0.16	0.8	1.2	3	3.5
Max. Tightening Torques (recessed adjustment screw)	Threads	-	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	-	0.1	0.4	0.5	0.6	0.7

Reliable performance is dependent upon the type of fluid conveyed and component materials being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

You will find all the flow rate characteristic curves (to 6 bar) for Flow Control Regulators at the end of the chapter.

Regulations

RoHS
PED



Advantages

Productivity:

- Higher maximum flow than standard regulators
- Optimal control of the cylinder rod speed

Accuracy:

- Precise adjustment for accurate flow regulation
- Long-term stability of flow

Ergonomics:

- External adjustment screw: easy to adjust ; Recessed adjustment screw: protects the adjustment mechanism
- Can be rotated 360° during assembly

Operation

The uni-directional models control the flow of air in one direction through an adjustable restrictor, while allowing full flow in the opposite direction. The bi-directional models control the flow of air in both directions.

A more precise and constant flow regulation is obtained when the regulator is fitted directly onto the cylinder.

Models with Recessed Adjustmen





Adjustment screw
Locking nut
Locking n

In-Line Models



For instant visual identification, each Parker Legris flow control regulator version is identified by the related pneumatic symbol and by a letter:

- uni-directional regulation on exhaust: letter A
- uni-directional regulation on supply: letter B
- bi-directional regulation: letter C

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